



#6

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

1

of

5

**Complete if Known**

Application Number

09/888,291

Filing Date

June 21, 2001

First Named Inventor

Gerald P. Roston

Art Unit

2837

Examiner Name

Bentsu Ro

Attorney Docket Number

IMM070A.RE

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
per writ Ro		3,220,121	11/30/1965	Cutler	
		3,517,446	6/30/1970	Corlyon et al.	
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		5,186,695	2/16/1993	Mangseth et al.	

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**INFORMATION DISCLOSURE  
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Sheet **2** of **5****Complete if Known**

Application Number	09/888,291
Filing Date	June 21, 2001
First Named Inventor	Gerald P. Roston
Art Unit	2837
Examiner Name	Bentsu Ro
Attorney Docket Number	IMM070A.RE

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		Number Kind Code <sup>2</sup> (if known)			
Ro		6,422,941	7/23/2002	Thomer et al.	
		4,464,117	8/7/1984	Forest	
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		4,484,191	11/20/1984	Vavra	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	BW	EP	EP0349086		1/3/1990	Visser	

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		First Named Inventor	Gerald P. Roston		
		Art Unit	2837		
		Examiner Name	Bentsu Ro		
Sheet	3	of	5	Attorney Docket Number	IMM070A.RE

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
		BAIGRIE, "Electric Control Loading - A Low Cost, High Performance Alternative," Proceedings, pp. 247-254, November 6-8, 1990.	
		IWATA, "Pen-based Haptic Virtual Environment," 0-7803-1363-1/93 IEEE, pp 287-292, 1993.	
		RUSO, "The Design and Implementation of a Three Degree of Freedom Force Output Joystick," MIT Libraries Archives 08/14/1990, pp. 1-131, May 1990.	
		BROOKS et al., "Hand Controllers for Teleoperation - A State-of-the-Art Technology Survey and Evaluation," JPL Publication 85-11; NASA-CR-175890; N85-28559, pp. 1-84, 03/1/1985.	
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Ro		SNOW et al., "Model-X Force-Reflecting-Hand-Controller," NT Control No. MPO-17851; JPL Case No. 5348, pp. 1-4, 06/15/1989.	
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Examiner Signature	Bentsu Ro	Date Considered	12/11/02
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Sheet 4 of 5

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Sheet 5 of 5**Complete if Known**

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		KONTARINIS et al., "Tactile Display of Vibratory Information in Teleoperation and Virtual Environments," PRESENCE, 4(4):387-402, 1995.

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